1896MNRAS..56..391P

Note on Comet Perrine (1895 *IV*). By Dr. H. Kreutz.

(*Communicated by the Secretaries.*)

The following letter has been received from Dr. Kreutz :—

"*Kiel:* 1896 *April* 18.

"In *Monthly Notices*, 1896 March, theilt Herr H. C. Russell die Beobachtung eines Cometen von A. E. Parker d. d. 1895 Dec. 21–24, mit. Es ist nun gar kein Zweifel, dass es sich hier um eine Beobachtung des ersten Cometen Perrine handelt; vergl. die Mittheilung aus Dar-es-Salaam *Astr. Nachr.* 3339, p. 47, und *The Observatory*, 1896 Jan., p. 62."

Further Note on the Light seen at Oxford on 1896 *March* 4.

By H. H. Turner, M.A., B.Sc., Savilian Professor.

In the letter above quoted Dr. Kreutz continues :—

"Eine ganz ähnliche Erscheinung, wie Sie am 4. März d. J. sahen, ist auch von uns vor längerer Zeit (1895 März 13) in Kiel in W.N.W. beobachtet worden. Hier aber konnte Prof. Lamp, der sich auf dem höchst gelegenen Punkt der Sternwarte befand, constatiren, dass es sich um einen Nordlichtstrahl handelte. Von unten aus gesehen, war die Erscheinung, welche circa $\frac{1}{4}$ Stunde andauerte, dem Schweife eines grossen Cometen täuschend ähnlich."

Mr. Charles Martin, Assistant at Dunsink, writes me as follows :—

"*Dunsink House, co. Dublin :*
"1896 *April* 19.

"I saw in *The Observatory* that you read a paper on zodiacal light seen by you on March 4. I was observing that night here, and watched the light for about two minutes. It was 5° wide, and stretched from the horizon to about 40° N.P.D. I only saw it for two minutes, as thick clouds came up and hid it. It was in the N.W. by W. I thought myself that it was clouds at a great distance above the other clouds, but could not make much out of it, as it clouded up soon after I noticed it. Time, 8.30 P.M., Irish time."

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Observations of Comet a 1896 (*Perrine-Lamp*) *made at the Royal Observatory, Greenwich.*

(*Communicated by the Astronomer Royal.*)

The observations were made with the Sheepshanks Equatorial, aperture 6·7 inches, by taking transits over two cross-wires at right angles to each other, and each inclined 45° to the parallel of declination. Magnifying power, 55.

Greenwich Mean Solar Time.	Observer.	☄ − ✱ R.A.	Corr. for Refraction.	Log Factor of Parallax.	☄ − ✱ N.P.D.	Corr. for Refraction.	Log Factor of Parallax.	No. of Comps.	Appt. R.A.	Appt. N.P.D.	Comp. Star.
1896. d h m s		m s	s		′ ″	″			h m s	° ′ ″	
Mar. 12 11 9 24	H.	+1 43·28	0·00	9 7094	+4 0·8	+0·2	0·7904	4	3 1 44·35	41 25 32·1	*a*
12 11 9 24	,,	−1 40·67	−0·01	9·7094	+8 27·7	+0·4	0·7904	4	...	...	*b*
12 11 33 46	,,	−3 55·29	−0·01	9·6867	+3 30·0	+0·2	0·8180	2	3 1 53·26	41 26 7·9	*c*
22 8 1 58	B.	−0 55·76	0·00	9·6684	−4 54·1	0·0	0·5007	3	...	...	*d*
22 8 2 37	,,	−1 55·85	0·00	9·6690	+0 54·1	0·0	0·5021	4	3 49 39·99	45 9 0·4	*e*
23 8 42 25	,,	+0 21·04	−0·01	9·6960	−5 35·1	0·0	0·5855	5	3 52 56·54	45 27 8·4	*f*
23 9 5 1	,,	+0 24·24	0·00	9·7063	+3 44·2	0·0	0·6262	4	3 52 59·44	45 27 20·2	*g*
Apr. 1 8 55 5	A. C.	−1 55·00	0·00	9·6923	−2 10·5	0·0	0·6509	2	4 15 11·09	47 32 5·2	*h*
1 8 55 19	,,	−2 8·77	0·00	9·6922	+1 14·8	0·0	0·6513	6	4 15 12·04	47 32 15·4	*k*

Notes.

The observations are corrected for refraction but not for parallax. They are also corrected for the error of inclination of the wires and for the motion of the comet.

March 12.—Observations rather uncertain. Comet getting low (zenith distance 68°), and much fainter.
March 22.—Comet extremely faint. Bright moonlight. Observations difficult and uncertain.
March 23.—Bright moonlight. Comet still fainter than on previous day. Only seen by glimpses.
April 1.—Comet still easily visible, but rather ill-defined.

The initials H., A C., B., are those of Mr. Hollis, Mr. Crommelin, and Mr. Bryant respectively.

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